



December 2013

Volume 9, Issue 12

© 2013 Radio Club of Tacoma

From the Editor

Season's Greetings one and all!

'Tis going to be a busy month for RCT. First off, be sure to mark your calendar for the annual **AWARDS BANQUET!** The event, ably coordinated by Jim KE6WHN will be held December 15th at the TACID facility from 1-3 PM. See page 7 for the address.

STRAIGHT KEY NIGHT will again be held on New Year's Eve at the clubhouse. It's a chance to get on the air with some of the antique radios in the museum, nosh on some goodies, and share good times with your fellow members. Dust off that old J-38 and bring it along.

Because Christmas Day falls on the 4th Wednesday, there will be **no Training/Educational session on the 25th**. The November session, again offering the two presentations that were originally given in October by Bruce WE7P and Rich KR7W were well attended. It was great to be able to sit in on both of these classes by running them back-to-back in consecutive months.

On the subject of **4th Wednesday Workshops**, the club is soliciting a volunteer to serve as the **Workshop Coordinator**. If you have a little bit of free time to help make this new club event a continuing success, please consider stepping forward and letting one of the officers or board members know.

And last but not least, a hearty **Thank You to retiring Officers and Board Members** Casey WY7V, Alan N7OMS, and Glen KA7BOJ. Your services were valuable and your dedication appreciated..

That's all folks - 73 de Mike W7MWF

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**Board of Directors Meeting
7 November 2013 Minutes**

The 7 November 2013 Radio Club of Tacoma Board meeting was held at the Radio Club of Tacoma.

Officers and board members present:

Secretary	Larry Watson KD4VOM
Board Member	Bruce Hanson WE7P
Board Member	Al Ferguson N7OMS
Board Member	Jim Mendenhall KE6WHN
Board Member	Glen Galati KA7BOJ

There were 8 names on the attendance roster

Quorum:**Minutes:**

A motion to approve the minutes of the 4 September 2013 Board Meeting as coordinated was made, seconded and passed.

HEALTH AND WELFARE: None reported

SECRETARY'S REPORT:

Bank Statements
Utility and Phone Bills
Newsletters
QEX Journal
Electric Radio
Memberships
QSL cards
Salmon Run Pledges

TREASURER'S REPORT: The Treasurer's reports for October and September were distributed to the Board. *A copy of those reports will be attached to the original copy of these minutes.*

COMMITTEE REPORTS:**Membership:**

Current membership stands at 310

Training: Next Technician Class November 9/10

Information Technology:— Randy Myers WB4SBP

Randy provided a formal report addressing addition of N3FJP logging software to several computers; removal of the classroom computer video card due to availability of a working driver, a reprise of emergency power transfer issues and results.

Randy reminded us that Additional equipment will be required for the build-out of a second operating position in the HF Room. Our available hardware is limited to two small flat panel displays, and that support for the Microsoft XP Operating system now running on the EMCOM, Museum, Classroom and Laptop computers will end 8 April 2014.

A copy of the Information Technology report will be attached to the original copy of these minutes.

HF and Repeater Operations:

HF Operations: *No Report*

Repeater Operations:**RCT Repeater Status:**

W7DK 145.21 Repeater, Bates Channel 28: Status Operational; Awaiting replacement with Master II controller

W7DK 147.28 Repeater Clubhouse: Status – Operational

W7DK 147.38 Repeater Crawford Mountain: Status – Operational, awaiting installation of the 440 MHz control unit

W7DK 440.625 Repeater Clubhouse Status – Operational

IRLP (147.28 Repeater) Operational

Museum: *No Report*

Facilities Management: Bruce Hanson WE7P

There was a discussion of the work and supplies necessary to complete the Radio Station patch panel. About 16 each of the Bulkhead “N” and SO 239 Connectors are needed

Property Management:

Mike Finnie W7MWF presented a request from the Property Manager Frank AC7JY for approval to sell two items in the usual manner:

- A Collins R338 HF Receiver
- A Heathkit Weather Station

There was discussion of the coordination process for possible other Club committees to option the equipment.

The sense of the members present was that a listing of property needing approval to sell be routinely circulated to the major committees (HF, Repeater, Museum, Field Day, EMCOM, IT, Library, Facilities and Train-

ing) for their review and comment prior to seeking Board approval. A process successfully used previously to insure routine coordination of excess property disposal with key club activity managers.

A motion was made, seconded and passed to authorize the sale of the Collins R338 Receiver and Heath-kit Weather Station after coordination with the appropriate committees.

Planning Committee Report: Larry KD4VOM

No Report

Salmon Run and Pledge Drive:

The Salmon Run Pledge Drive is winding down. Here are the results as of 5 November

Pledges, remaining to be paid: \$ 322.00
Cash received so far \$ 2,781.99
Expected total income: \$ 3,103.99

UNFINISHED BUSINESS:

Membership Meetings and Workshop Proposal

The Board and general membership recently approved a change in Club meetings, changing the traditional second general membership meeting of the month to a series of workshops at the clubhouse on Wednesday evenings.

The first of these sessions was conducted on October 23rd, and included an orientation to JT65 by Bruce WE7P, a Multipathing session by KR7W, and an FLDIGI/EMCOM orientation by KD4VOM

Bruce WE7P agreed to insure that the JT 65 and Multipathing presentations would again be presented to permit those who wanted to attend both had an opportunity to do so.

Next Steps:

Establish a Workshop Coordinator:

Review the subject area recommendations

Identify Elmers, Mentors, Tutors, Subject matter experts to lead the workshops

Develop a schedule for Wednesday workshops starting with some of the most wanted workshops

Get the word out to the membership at large.

NEW BUSINESS:

Program Presenter Stipend:

Frank AC7JY suggests a small stipend for John Bertels N07B who has presented two programs over the past few months and travels from Centralia area.

A motion was made, seconded and passed to provide a \$ 25.00 stipend to John Bertels N07B in recognition of his support of club programs.

Election Committee

Pending

DISCUSSION TOPICS:

Donated Tower: Alan Hughes KB7SVU attended the meeting and asked to present his views on taking down the recently donated Rhon 25 50 foot tower and antenna.

Alan KB7SVU voiced concern about the safety and potential property damage liability of taking down a tower of this type. He explained the possible problems associated with the process and wanted to insure that the Board was advised about the potential safety and liability issues, and offered his assistance if required.

There followed a lengthy discussion on the issues presented by this project.

Since the club has several members knowledgeable and experienced in the process, the Board decided to ask Frank AC7JY to form a team of several of them, make an evaluation of the site and project, and come back to the Board with the results of their evaluation, and their recommendations.

Mention was made of members Nick Winter K7MO, Rich Patrick KR7W, Chuck Kemmer AC7QN along with others who might serve on the evaluation team.

(continued on Page 4)



ANNOUNCEMENTS:**Annual Election:**

-Terms expire 12/31/2013: Casey-WY7V, Larry-KD4VOM, Al-N7OMS, Glen-KA7BOJ, Bruce-WE7P

-Terms expire 12/31/2014: Gary-WG7X, Bob-AD7LJ, Jim-KE6WHN, Nick-K7MO

- November: Annual General Membership Meeting:
- Elections, ballots counted, results announced.

ADJOURNED.

RCT Annual Membership Meeting
13 November 2013 MINUTES

The 13 November 2013 General Membership meeting was held at the Pierce County Library Administration Building at Waller Road and 112th Street. .

Vice President Casey Hicks WY7V called the meeting to order at 7:35 PM.

Officers and board members present:

Vice President	Casey Hicks WY7V
Secretary	Larry Watson KD4VOM
Board	Bruce Hanson WE7P
Board	Jim Mendenhall KE6WHN

A sign in sheet with the names of members and guests is attached to the original copy of these minutes. There were 37 names on the attendance roster.

PLEDGE OF ALLEGIANCE: Was led by Casey Hicks WY7V

INTRODUCTIONS: Guest welcoming and self-introductions were completed.

ILLNESS OR SILENT KEY: None Reported

Correspondence:

Newsletters	Utility Bills
Salmon Run Pledges	QSL Cards
Bank Statements	Insurance Invoice

The Field Day Pig was circulated to collect donations for Field Day operations.

COMMITTEE REPORTS:

Training: The next Technician's class will be held on 9/10 November

VE Report: JohnAC7WW

Eight Volunteer Examiners hosted ten candidates at the monthly test session November 12, 2013 at the Radio Club of Tacoma Clubhouse. Once again the candidates from Stephens', AD7AB class passed the tech exam 100 percent. Five Technicians joined the Amateur Service, two candidates upgraded to General and three candidates upgraded to Extra.

We had candidates from Auburn, Cle Elum, Gig Harbor, Port Orchard, Puyallup, Rainier and Tacoma.

Thanks to the following VE's for their time and effort.

Steve, AD7VL	Leonard, KA7NWF
Dale, N3MO	Jon, AD7AW
Rich, KK7VH	Jim, N7RHX
Stephen, AD7AB	

The next monthly scheduled testing session will be Tuesday December 10, 2013.

Election Committee:

Linda Adams AB7YL

Ray Brassard KE7BZD

John Clarke AC7WW

The Election Committee retired to count the annual election ballots

PROGRAM: "Tony Hancock – The Radio Ham" a British comedy video

ELECTION RESULTS:

The Election Committee completed their tally of the Ballots

Linda Adams AB7YL announced the officers and directors elected:

To Vice President: Mike Mikuchonis W7XTZ

To Secretary: Larry Watson KD4VOM

To Board: Mike Finnie, W7MWF

To Board: Mike Elwell W7GHW

To Board: Bruce Hanson WE7P

ANNOUNCEMENTS:**RCT Membership Meetings:**

To better serve the members, the Club has changed the second monthly membership

(continued from Page 4)

(fourth Wednesday) meeting to Wednesday evening workshops

Our first Workshop was held on Wednesday, October 23rd at 6:30 pm at the Clubhouse.

Three topic areas were presented:

- JT 65 Mode orientation and demonstration Bruce WE7P
- Multipathing what it is and how to deal with it Rich KR7W
- EMCOM demonstration of digital mode FLDIGI MT63 and it applications to emergency operations Larry KD4VOM

Responding to popular demand, the JT65 and Multipathing presentations will be repeated at 7 pm on Wednesday 27 November at the Clubhouse for those who couldn't attend both the first time.

Workshop Coordinator and Presenters needed:

Coordinator: The Club is seeking a Workshop Coordinator who can identify and arrange presenters for the topics requested by the membership, schedule their presentations, and get the word out to the membership, Email, Website, Clubhouse bulletin board, etc....

Presenters: The Club is seeking topic and activity presenters to deliver on the promise of the Workshop program.

The regular **General Membership** business meeting will continue on the second Wednesday at 7:30 at the Pierce County Library Administration Building.

Salmon Run Pledge Drive:

Larry KD4VOM reminded members that their pledges are due, and there is still time to participate in the fund drive.

Larry announced that the Salmon Run Pledge donations totaled over \$ 3,000.00

RCT Celebrates its 97th anniversary 16 October 2013

Not too early to start early planning for celebrating our centennial

RCT Christmas Party and Awards Ceremonies

This year's Annual Christmas party and awards banquet will be held on Sunday, 15 December from 1 pm to 3 pm at the Tacoma Area Citizens with Disabilities (TACID) facility, on 19th Avenue near the Tacoma Community College campus, The same location as last year

DISCUSSION TOPICS:

None Reported

SHOW AND TELL:

Rich Patrick KR7W brought in a Heathkit HW7 he has been bringing back to life.

TUNING AND TRAFFIC: None

DOOR PRIZES: None

The RADIO CLUB OF TACOMA needs your donations...

DONATIONS PLAY A BIG PART IN FUNDING THE OPERATION OF RCT. IF YOU HAVE UNWANTED OR UNNEEDED AMATEUR RADIO OR RELATED EQUIPMENT. PLEASE CONSIDER DONATING IT TO THE CLUB

If you have something to donate Contact Frank Palmer AC7JY, Property Management Team Leader

W7DK

**Proudly celebrating 97
years of service to
Amateur Radio in the
Pacific Northwest**



From The President



RCT Workshops – Serving the Membership Better

18 November 2013

Background:

Over the past few months, the Radio Club of Tacoma Officers and Board of Directors have surveyed the membership to determine their interest in modifying our usual membership meeting schedule to permit the development of “Second Meeting” (Fourth Wednesday) Workshops instead of the regular meeting at the Pierce County Library Administration building.

Results:

The results of this survey strongly indicate a preference for moving to a Wednesday Workshop format, conducted at the RCT Clubhouse on Wednesdays. Normally, workshops would occur on the fourth Wednesday of the month, but other evenings might also be used.

Topic Development:

A long list of desired Workshop Topics is evolving with the majority of inputs from the membership. We are still collecting topics of interest to the membership. Send them to KD4VQM, royretreat@mailcan.com

Decision:

As a result, the Board of Directors has decided to experiment with this format in order to better serve the membership.

First Workshop:

The first of these Workshop sessions was conducted on Wednesday, 23 October, and included three presentations; Multipath Interference by Rich KR7W, Introduction to JT65 Digital Mode by Bruce WE7P, and EMCOM uses of FLDIGI by Larry KD4VOM. This workshop was very successful and well attended. Additionally, a 30-minute session was held prior to the formal workshops for Amateur Technician license holders with questions about upgrading to Amateur General license status.

Next Workshop:

The next Workshop will be conducted on Wednesday, November 27th at the Clubhouse at 7 pm. We will repeat both the Multipathing and JT65 presentations so that those who missed one by attending the other can enjoy both presentations.

Scheduling:

Until notified otherwise, the Radio Club of Tacoma will substitute Workshops at the Clubhouse and **will not** hold the second monthly Membership Meeting at the Pierce County Library Building on the fourth Wednesday.

Organization and Planning:

For this program to succeed three elements must exist: the topics desired, willing and able presenters, and a project “Workshop Coordinator”.

To this end the Club leadership is seeking a Workshop Coordinator to develop the topic presentations, recruit presenters, schedule the Workshops and publicize them to the membership via email, website and other means. This task will likely require some computer skills and the ability to work with the extensive list of Club members who have the skills and experience to put the Workshops together.

73 - Gary WG7X



Don't Forget!

2013 RCT Annual Awards
Banquet

December 15, 2013 1:00

-3:00PM

TACID Facility
6315 S. 19th St,
Tacoma, WA 98466



Straight Key Night 2014

On New Years Eve
Tuesday, December 31 2013 @ about 4pm
At the RCT Clubhouse

Join in on the fun, food, and fellowship as we get on the
air with the antique radios in the
Doc Spike W7OS Museum.

Bring your favorite straight key, sideswiper, or bug, or use
one of the club's collector keys.



Every so often a club member sends me a QSO card that intrigues me enough that I want to learn more about the operator who was involved in the QSO. Such a card was recently provided by Don W7DRT.

When I looked at the card, my first thought was :

“OMG, how does he point those 8 beams where he wants to squirt his signal ?”

ES5TV Via

T	Date	UTC	Band	RST	2X	Port	T
	15-Sep-2013	18:31	14MHz	59	SSB		

Tnx QSL de ES5TV

QSL PSE / TNX **73, op.** *Tõnu*

Tõnu Vähk
 Merivälja tee 5-W308
 11911 Tallinn
 Estonia
 QTH: near Jõgeva
 CQ zone 15
 ITU zone 29
 Loc: KO3BCS

Tower on the front page was erected in summer 2007 and is carrying 8 antennas from Optibeam including 3 element 80m Yagi and 2 interlaced 20-40m monobanders. In spring 2010 the station has 3 more rotating towers and full size 4 squares on 80m and 160m. Picture of me on the back is taken after several weeks of operation on Ducie island during VPBCX expedition in spring 2008.



A bit of research on the Inner-Webz enlightened me when I found this photo of his massive rotator that spins the entire structure. I never did find out just how tall the tower is or the total wind load.

Thanks Don for sharing this one.

KR7W's

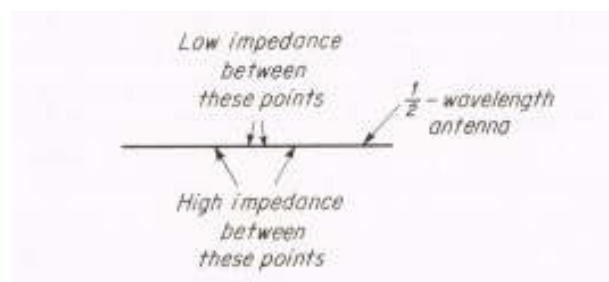
Hints and Kinks

For the Experimenter

Joe recently asked me, "What got you interested in Ham Radio?". I explained that when I was 12 years old and working my paper route on a very dark winter morning, I happened to notice an orange light blinking up in my neighbors tree. At the end of the month when I was collecting my months worth of papers payment...I remembered to ask the lady about the light in the tree. She said something like, "Oh that". Then she opened a door that led down to their basement and yelled, "Verle, there's someone here to see you".

I was invited down into the basement. The man that me and my playmates knew as Mr Eagan showed me his ham shack. When I asked about the blinky light in the tree he patiently explained to me that he had connected neon lamps on each end of his wire antenna. When he transmitted his MARS RTTY traffic (to servicemen in SE Asia) the radio energy would light the lamps. I heard what he said but it didn't sink in because I was so amazed over his really neat-o ham radio equipment and the "Clackity Clackity Clackity" from his old Model 15 teletype printer. I was infected.

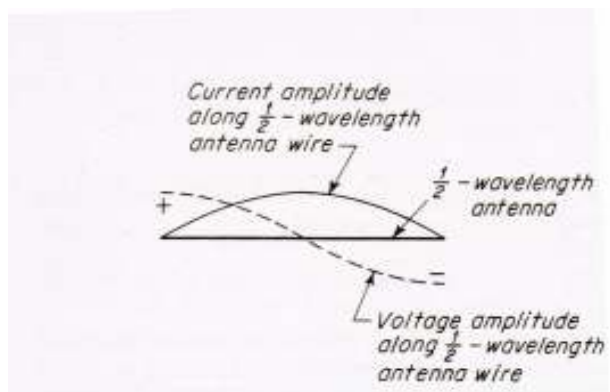
Ole Mr Eagan became my Elmer (mentor). For many years he patiently tutored me in ham radio electronics. But it wasn't until many years after graduating from electronics tech school that I understood the workings of his antennas Blinky Neon Lamp.



The Dipole Antenna... Is usually configured as a half-wave antenna with the feedline connected in the center. Most self resonant dipoles are fed with coaxial cable. The center of the dipole antenna is its lowest impedance point which is a

good place for low impedance coax cable to be connected. (Factoid: Maximum energy will be *transferred* when the source impedance (the coax from the transmitter) and the load impedance (the antenna) are equal or close to it. The Z (aka impedance) of the dipole center is 72 ohms and typical ham coax cable is 50 ohms— pretty close.

Mr Ohm would be happy to tell us that the Indian sees the Eagle flying over the Rabbit. This boils down to meaning that if the Resistance or Impedance is HIGH... then the voltage will also be high at that point in the circuit



Allow me to become more geeky... When a $\frac{1}{2}$ wavelength antenna is excited by an RF AC source there is an oscillation of the free electrons in the wire. Electrons will pile up at the ends of the wires which means that the maximum charge (voltage) will always occur at the far ends of the antenna.

The diagram above shows no (or very little) voltage at the center of the antenna. If we could place an *imaginary* radio frequency voltmeter between the center of the dipole wire and the end— where all of the electrons are piled up... then we would measure a pretty high voltage— probably hundreds of volts with 50 to 100 watts being fed from the transmitter.

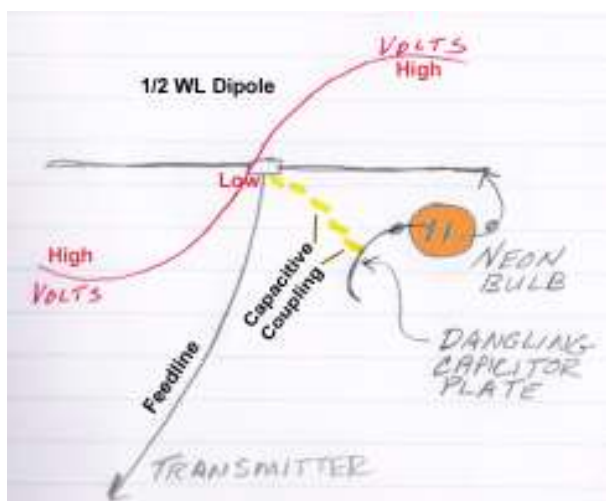
If we were to leave one voltmeter probe on the end of the dipole wire and dangle the remaining probe down in midair then the voltmeter would still be reading voltage. This happens because the dangling probe is capacitive coupled to the low voltage

center of the antenna. This 'air gap' capacitor is low in value but the voltage difference between the center and end of the wire is quite high and at high frequency AC (HF radio waves) a small capacitor can pass through a lot of voltage. Perhaps some of you have been shocked by a hot microphone in a ham shack with RFI. Only one part of your body touched the high RF voltage energized equipment but the RF current flowed through the rest of your body and was capacitive coupled to a lower impedance point without touching it.



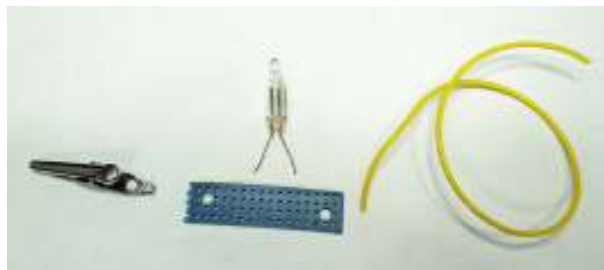
The very low current consuming NE-2 Neon Bulb fires at 90 volts AC or DC. When DC voltage is applied then only one element in the bulb glows. AC or RF voltage causes both elements to glow.

Imagine one leg of the NE-2 connected to the high voltage end of a dipole antenna. In order for the bulb to glow there must be a return path to ground or to a lower voltage. Mr Ohm will insist that there is low voltage where there is low resistance or impedance. I mentioned capacitive coupling above. If the unconnected leg of the bulb had an extension that acted like



the plate in a capacitor then it could be coupled to the low Z (center) part of the antenna.

Enough Geek Theory... Lets build it. My design uses these parts: An alligator clip with a 1/8" hole drilled, 1.5 to 2" X .75 to 1" piece of experimenter perf board with drilled 1/8" holes as shown, **NE-2 neon bulb**, 8" piece of wire (I used 22 AWG stranded). It's OK to substitute plastic for perf board, but wood will rot after a while.



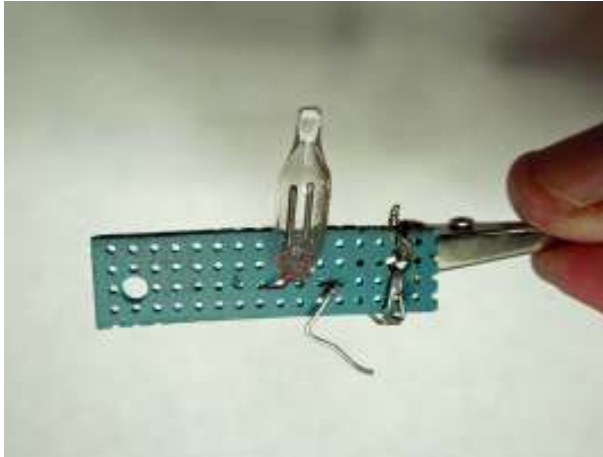
Below I used some solid hook up wire to tie the alligator clip to the board through the drilled holes. I carefully weaved the NE-2 leads through holes in the perf board. A piece of the alligator clip tie wire



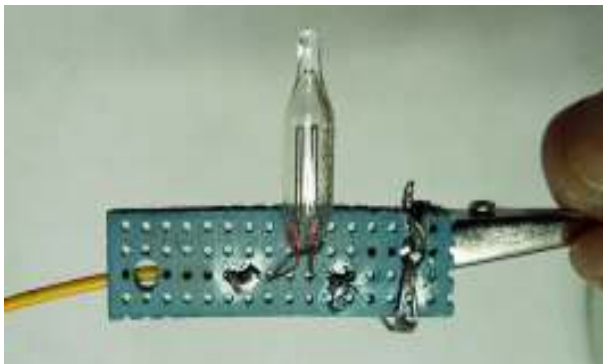
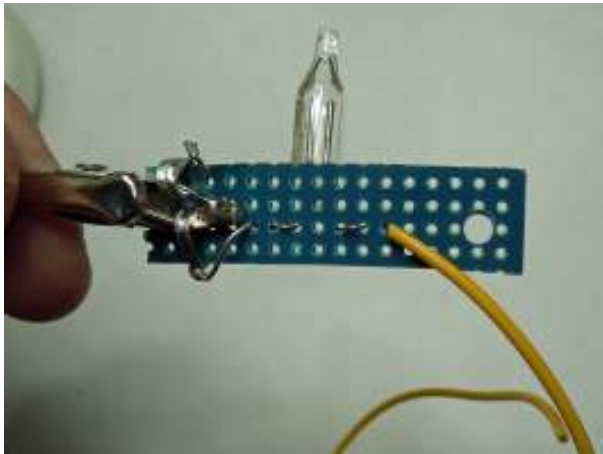
is also inserted through a perf board hole next to the nearest NE-2 wire lead. The NE-2 wire and the tie wire will be soldered together.



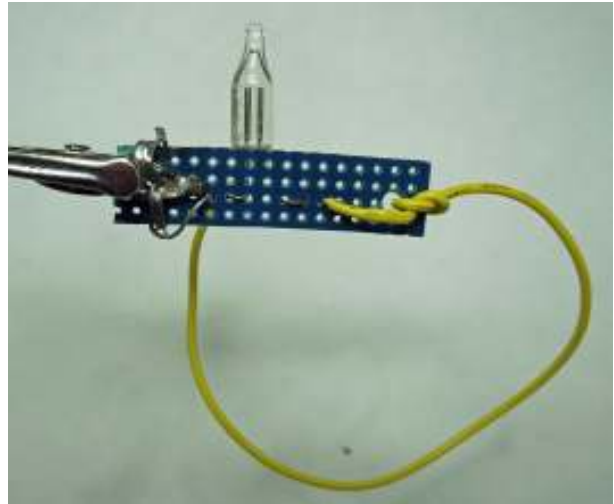
This view shows the solder joint of the tie wire and the NE-2 lead. Below, I've stripped some insulation from the 8 inch wire and poked it through a hole in the perf board next to the remaining NE-2 lead.



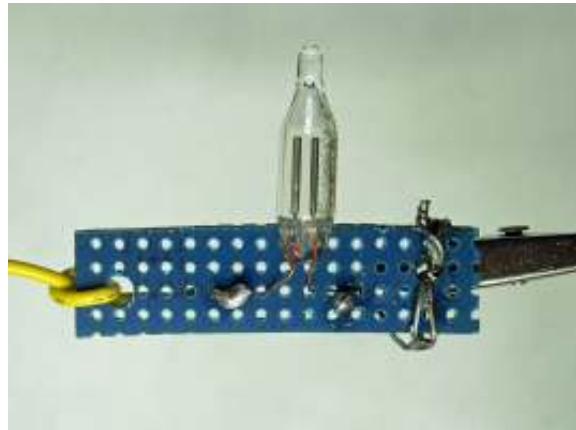
These conductors will be soldered on the opposite side as shown below.



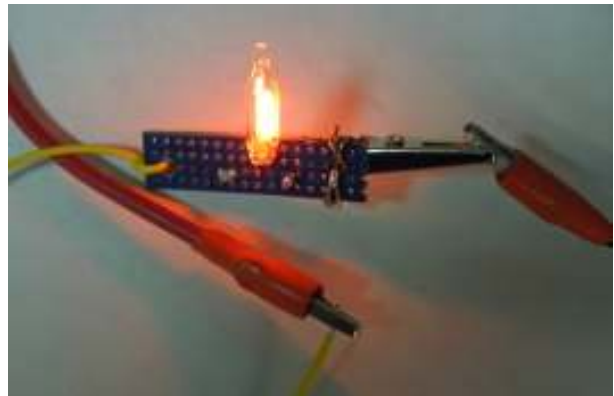
Soldering is complete as shown above.



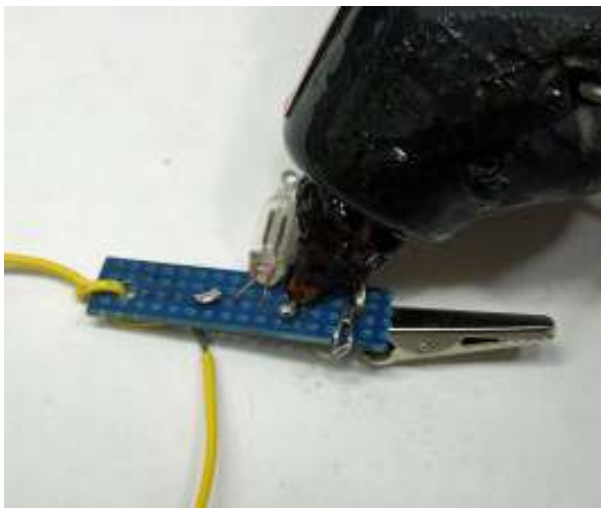
Tie the 8" wire in a knot in the remaining hole in the perf board as shown above and in the photo below.



You can test your work if you have a high voltage power supply capable of producing 90 volts. Ten 9 volt batteries in series would provide the needed voltage. The result is shown below.



We are almost finished. It is important to secure the NE-2 bulb to the perf board so the fragile wire leads do not break. I used a hot melt glue gun for this without obliterating the glow... but clear silicone bathtub sealer or epoxy glue would work just as well.



Warning!! The glue stays hot for a long time.

Finished product with glue shown below. After I make connection with the alligator clip to the end of my antennas wire...



I can secure my Blinky Light to the antenna wire with a wire tie to make sure it doesn't fall off in a wind storm. Hmmmm, An extra hole drilled in the perf board for the wire tie is a good idea.

Bunny Hunt Report... by Rich KR7W

Normally I would initiate one or two hidden T hunts during the summer and/or fall each year. No 'on foot' hunts were held in Tacoma in 2013 due to general lack of interest by RCT members and associated hams. There's maybe one exception— I did loan K7DKK one of my transmitters for a practice session at an EMCOM training exercise.

If anyone who reads this and would like me to organize or host either an 'on foot hunt' or a 'use your car hunt' to drive around to locate the transmitter or have a 'club meeting orientation program' at one of the 4th Wednesday meetings at the RCT Clubhouse. **Then** please let me know if there is any interest. I also have a movie of an organized ADRF meet to show.

In the past we've had some good times at the on foot hunts held at Ft Steilacoom and at Pt Defiance. It would be great if we could have some of that same enthusiasm in 2014.



Are you crazy? The unexpected 3 ft of snowfall didn't cancel the W7EAT hunt held in November of 2012. Above is Chuck AC7QN and Rich KR7W. Below is Alan N7OMS. All had a good time finding K7MXE's bunnies in the Winter Wonderland.





This month's Bark features a pair of QSL cards from the extensive collection of Rich KR7W. Rich recalls that these cards are the result of rag-chew QSOs using CW mode.

Thanks Rich for your contributions.

VK1AI




Gregory Parkhurst
PO Box 7157
WATSON ACT 2602
AUSTRALIA

Gridsquare QF56pd
CQ Zone 30
ITU Zone 59
Continent: Oceania

All club members are invited and encouraged to contribute cards, photos, stories, opinions, observations, or other tidbits for publication in The Bark. Either email them to me as a jpg file, or bring them by the clubhouse on a Saturday and I'll scan them. For textual contributions, MSWord, PDF, RTF or plain text files are suitable.

S W7/ ZS6 JBJ A
O F
U R
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A


SPRINGBOK

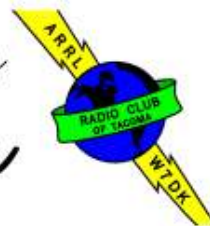
Station	Date	Freq	UTC	Mode	RST	QSL
KR7 W	4-4-10	14 MHz		CW	579	NR.

J Jack, PO Box 10643, Staalveld. 1043. Rep Of S Africa

KR7W made this QSO with W7/ZS6JBJ whilst he was vacationing in the Great Pacific Northwest. He used a IC706 and 'Balcony Dipole'.



The Radio Club of Tacoma's
Logger's Bark



The Logger's Bark is the **OFFICIAL PUBLICATION OF THE RADIO CLUB OF TACOMA...** and is published by W7DK Press, PO Box 11188, Tacoma, WA 98411. The Radio Club of Tacoma is a non-profit corporation as defined by law, and all proceeds will be used exclusively for charitable and educational purposes. The Radio Club of Tacoma's Club House is located at 1249 Washington St, Tacoma, WA 98411, phone: 253-759-2040.

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Secretary: Larry Watson KD4VOM email to [kd4vom @ w7dk.org](mailto:kd4vom@w7dk.org)

Treasurer: Bob Purdom AD7LJ email to [ad7lj @ w7dk.org](mailto:ad7lj@w7dk.org)

5 Board Members (listed in no particular order)

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James Mendenhall KE6WHN email to [ke6whn @ w7dk.org](mailto:ke6whn@w7dk.org)

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Reporters: The members of the Radio Club of Tacoma...

Send articles to: [w7dk-news @ earthlink.net](mailto:w7dk-news@earthlink.net) or Bark, 1506 N Stevens St, Tacoma, WA 98406

The Fine Print: The Logger's Bark is published once a month for the membership of The Radio Club of Tacoma or interested ham radio enthusiasts. The Bark is delivered by PDF file on the club's website: www.w7dk.org. If a condensed paper copy is needed... then let the Printer/Publisher listed above know.

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Membership Info: FULL (licensed) and ASSOCIATE (non licensed) is \$30 per calendar year. \$25 for Licensed Seniors (65 and over). Licensed family members at same address pay \$15 each for the first two and are free for the third, fourth, and so on. Fulltime students, licensed or non licensed, up to age 25 are \$15 per year. Note: fees are applicable for the calendar year: Jan to Dec. Lifetime membership is 20 times the yearly fee you are eligible for.. Lifetime memberships are calculated based on the FULL and ASSOCIATE rates.

Radio Club Repeaters

Central Tacoma: 147.280 + PL=103.5

Crawford Mountain (SE Thurston County): 147.380 + PL=103.5

Central Tacoma: 440.625 + PL=103.5

Remember - For the latest and most current information on events and activities, visit the Radio Club of Tacoma Website w7dk.org. Be sure to enroll as a member to see all the info.

The Loggers Bark
Radio Club of Tacoma
PO Box 11188
Tacoma, WA 98411

To RCT Member:



Upcoming RCT Events

Club Meetings: Second Wednesday of the month at the Library Administration Building 112th and Waller Road. The club meets at 7:30 PM. Everyone is invited to attend.

Workshops: Fourth Wednesday of the month at the Clubhouse, 1249 So. Washington St, Tacoma. A variety of training and educational events will be conducted.

Board Meeting: First Wednesday of the month at the RCT clubhouse. All members are welcome to attend .

Bark Deadline: Last week-end of each month. Please submit articles by that time!

Check into the weekly two meter net: Tuesdays at 7:30 PM on the club repeater on 147.280 MHz

Check into the weekly 10 meter net: Sundays at 8:00 PM on 28.375 MHz .